

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A glass substrate comprising a diffusing layer comprising a mineral particle layer comprising a mineral binder and an electromagnetic insulating device with a resistance per square greater than 100  $\Omega$ .

Claim 2. (Currently Amended): The glass substrate ~~diffusing layer~~ as claimed in claim 1, wherein the electromagnetic insulating device has a resistance per square between 300 and 700  $\Omega$ .

Claim 3. (Currently Amended): The ~~diffusing layer~~ glass substrate as claimed in claim 1, wherein the electromagnetic insulating device comprises ~~consists of~~ at least one electrically conducting layer that is translucent in the visible domain, said at least one electrically conducting layer being deposited as close as possible to the mineral particle layer.

Claim 4. (Currently Amended): The glass substrate ~~diffusing layer~~ as claimed in claim 3, wherein the at least one conducting layer comprises a transparent conducting oxide.

Claim 5. (Currently Amended): The glass substrate ~~diffusing layer~~ as claimed in ~~claim~~ claim 3, wherein the mineral particle layer is deposited on ~~[[a]]~~ the substrate and the conducting layer is deposited on said mineral particle layer.

Claim 6. (Currently Amended): The glass substrate ~~diffusing layer~~ as claimed in ~~claim~~ claim 3, wherein the mineral particle layer is combined with ~~[[a]]~~ the substrate, the conducting layer being placed between the glass substrate and the mineral particle layer.

Claim 7. (Currently Amended): The ~~diffusing-layer~~ glass substrate as claimed in ~~claim 1~~ claim 3, wherein the mineral particle layer is combined with ~~[[a]]~~ the glass substrate, the mineral particle layer being deposited on one of the sides of said glass substrate, while the conducting layer is deposited on the opposite side of said glass substrate.

Claim 8. (Currently Amended): The glass substrate ~~diffusing-layer~~ as claimed in claim 1, wherein the electromagnetic insulating device is incorporated into the mineral particle layer.

Claim 9. (Currently Amended): The glass substrate ~~diffusing-layer~~ as claimed in claim 1, wherein the ~~mineral particle layer further comprises a binder, the binder allowing~~ allows the mineral particles to be agglomerated with one another.

Claim 10. (Currently Amended): The glass substrate ~~diffusing-layer~~ as claimed in claim 9, wherein the mineral particle comprises metal or metal oxides.

Claim 11. (Currently Amended): The ~~diffusing-layer~~ glass substrate as claimed in claim 9, wherein the mineral particle comprises  $ZrO_2$ .

Claim 12. (Currently Amended): The ~~diffusing-layer~~ glass substrate as claimed in claim 9, wherein the mineral particle size is between 50 nm and 1  $\mu m$ .

Claim 13. (Currently Amended): The ~~diffusing-layer~~ glass substrate as claimed in claim 9, wherein the mineral particle layer comprises  $F:SnO_2$  or ITO.

Claim 14. (Canceled).

Claims 15-16. (Canceled).

Claim 17. (Currently Amended): The glass substrate ~~diffusing layer~~ as claimed in claim 1, wherein the diffusing layer incorporates a coating having a functionality function, other than that of insulating, selected from the group consisting of particularly a coating with a low-emissivity function, an antistatic function, antifouling an antistatic function, and [[or]] an antifouling function.

Claim 18. (Currently Amended): The ~~diffusing layer~~ glass substrate as claimed in claim 1, wherein it has a light transmission  $T_L$  greater than 20% ~~and preferably greater than 50%~~.

Claim 19. (Currently Amended): The ~~diffusing layer~~ glass substrate as claimed in claim 1, wherein it has a thickness of between 0.5  $\mu\text{m}$  and 5  $\mu\text{m}$ .

Claim 20. (Currently Amended): A method for producing a manufacture ~~a diffusing substrate in a system provided with light sources~~ comprising adding a diffusing layer combining the glass substrate as claimed in claim 1 ~~to a diffusing substrate in a system provided with light sources~~.

Claim 21. (Currently Amended): A method for producing a manufacture diffusing substrate in a backlighting system comprising adding the glass substrate a diffusion layer as claimed in claim 1 to ~~a diffusing substrate in a backlighting system~~.

Claim 22. (Canceled).

Claim 23. (Currently Amended): A method for producing a manufacture diffusing substrate in a flat lamp system comprising adding the glass substrate a diffusion layer as claimed in claim 1 to ~~a diffusing substrate in a flat lamp system~~.

Claim 24. (Canceled).

Claim 25. (Previously Presented): The method as claimed in claim 20 wherein the diffusing substrate has a characteristic dimension tailored to direct light applications.

Claim 26. (Previously Presented): The method as claimed in claim 20 wherein the thickness and/or the cover density of the diffusion layer varies over the deposition surface.

Claim 27. (Currently Amended): The ~~diffusing layer~~ glass substrate as claimed in claim 4, wherein the transparent conducting oxide is selected from the group consisting of  $\text{F:SnO}_2$ ,  $\text{Sb:SnO}_2$ ,  $\text{Sn:In}_2\text{O}_3$ ,  $\text{Al:ZnO}$  and mixtures thereof.

Claims 28-32. (Canceled).

Claim 33. (Currently Amended): A light source comprising the glass substrate  
~~diffusion layer~~ as claimed in claim 1.

Claim 34. (Currently Amended): A backlighting system comprising the glass  
substrate ~~diffusion layer~~ as claimed in claim 1.

Claim 35. (Currently Amended): A lamp comprising the glass substrate ~~diffusion~~  
~~layer~~ as claimed in claim 1.